

Title (en)  
Video data compression

Title (de)  
Bildatenkompression

Title (fr)  
Compression de données vidéo

Publication  
**EP 0588476 B1 19990421 (EN)**

Application  
**EP 93305592 A 19930716**

Priority  
GB 9219716 A 19920917

Abstract (en)  
[origin: EP0588476A2] A video data compression system is described utilising frequency separation and quantization. The video data is separated into primary frequency components (components 4, 5, 6) and secondary frequency components (components 0, 1, 2, 3). The primary frequency components undergo fewer frequency separating stages ( $N > M$ ) than the secondary frequency components. The quantization step width ( $Q_1, Q_2$ ) applied to the differing primary and secondary components is varied in dependence upon the relative human visual responsiveness ( $R(f_s)$ ) to the spatial frequency ( $f_s$ ) represented by that component. In addition, those frequency components that have undergone fewer frequency separating stages are subject to a larger quantization step width than the other frequency components since the fewer frequency combination stages such frequency components will subsequently undergo has the result that the image degradation introduced by quantization is less noticeable. The system also includes entropy encoding (42) using selectable complementary encoding and decoding tables. The system is particularly applicable to recording and reproducing apparatus. <IMAGE>

IPC 1-7  
**H04N 7/24**

IPC 8 full level  
**G06T 9/00** (2006.01); **G11B 20/18** (2006.01); **H03M 7/14** (2006.01); **H03M 7/30** (2006.01); **H03M 13/19** (2006.01); **H04N 5/92** (2006.01); **H04N 5/926** (2006.01); **H04N 7/26** (2006.01); **H04N 7/30** (2006.01); **H04N 7/34** (2006.01); **H04N 7/66** (2006.01); **H04N 9/804** (2006.01); **H04N 9/808** (2006.01); **H04N 11/04** (2006.01); **H04N 19/593** (2014.01); **H04N 5/783** (2006.01)

CPC (source: EP KR US)  
**H04N 5/9264** (2013.01 - EP US); **H04N 9/8042** (2013.01 - EP US); **H04N 19/124** (2014.11 - KR); **H04N 19/126** (2014.11 - EP US); **H04N 19/186** (2014.11 - EP US); **H04N 19/593** (2014.11 - EP US); **H04N 19/60** (2014.11 - KR); **H04N 19/61** (2014.11 - EP US); **H04N 19/63** (2014.11 - EP US); **H04N 5/783** (2013.01 - EP US); **H04N 19/10** (2014.11 - EP US); **H04N 19/115** (2014.11 - EP US); **H04N 19/124** (2014.11 - EP US); **H04N 19/13** (2014.11 - EP US); **H04N 19/146** (2014.11 - EP US); **H04N 19/60** (2014.11 - EP US)

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EP1134982A3; GB2318244A; GB2318244B; EP0622961A3; US5541659A; US6845179B1

Designated contracting state (EPC)  
DE FR

DOCDB simple family (publication)  
**EP 0588476 A2 19940323**; **EP 0588476 A3 19941005**; **EP 0588476 B1 19990421**; DE 69324538 D1 19990527; DE 69324538 T2 19991021; GB 2270811 A 19940323; GB 2270811 B 19960207; GB 2270822 A 19940323; GB 2270822 B 19961016; GB 9219716 D0 19921028; GB 9223017 D0 19921216; JP 3348741 B2 20021120; JP H06326990 A 19941125; JP H0746536 A 19950214; KR 100283342 B1 20010302; KR 940008492 A 19940429; US 6055339 A 20000425

DOCDB simple family (application)  
**EP 93305592 A 19930716**; DE 69324538 T 19930716; GB 9219716 A 19920917; GB 9223017 A 19921103; JP 22732093 A 19930913; JP 23040093 A 19930916; KR 930018591 A 19930916; US 9489593 A 19930722